

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of adjusting the optical thickness of a lens made from a material transparent to light to be used, comprising;
manufacturing a lens; and
adding one of layers of a material which is the same as the material of athe lens, and of a material which has an index of refraction close to the index of refraction of the material of the lens, to a surface of the lens by at least one of vapor deposition and vapor growth, so that optical thickness is increased, the one of layers having a thickness determined by a difference between a thickness of the manufactured lens and a target thickness of the lens.
2. (Previously Presented) A lens whose optical thickness has been adjusted by the thickness adjustment method of claim 1.
3. (Original) A method of adjusting the optical thickness of a lens according to claim 1, wherein the lens is a solid immersion lens.
4. (Original) A lens according to claim 2, wherein the lens is a solid immersion lens.